## Figure 1.

1 mdvtiqhpwf krtlgpfyps rlfdqffgeg lfeydllpfl sstispyyrq slfrtvldsg 61 isevrsdrdk fvifldvkhf spedltvkvq ddfveihgkh nerqddhgyi srefhrryrl 121 psnvdqsals cslsadgmlt fcgpkiqtgl dathaeraip vsreekptsa pss

## Figure 2.

1 tecetettee geacegtget ggaeteegge atetetgagg ttegateega eegggacaag 61 ttegteatet teetegatgt gaageaette teeeeggagg aceteaeegt gaaggtgeag 121 gaegaetttg tggagateea eggaaageae aacgagegee aggaegaeea eggetaeatt 181 teeegtgagt teeaeegeeg etaeegeetg eegteeaaeg tggaecagte ggeeetetet 241 tgeteeetgt etgeegatgg eatgetgaee ttetgtggee eeaagateea gaetggeetg 301 gatgeeaeee aegeegageg ageeateeee gtgtegeggg aggagaagee eacetegget 361 ceetegteet aa

## Figure 3.

1 slfrtvldsg isevrsdrdk fvifldvkhf spedltvkvq ddfveihgkh nerqddhgyi 61 srefhrryrl psnvdqsals cslsadgmlt fcgpkiqtgl dathaeraip vsreekptsa 121 pss

## 01794100H406US1 John C. Salerno, et al.

	John C. Salemo, et al.
2495337 hs12_caeel_2 hs11_orysa_1 hs11_pea_1 SP21_STIAU hs27_mouse_3 craa_bovin_1 crab_bovin_1 cra2_mouse_1	mfordpfdslfermfkeffatpmtottmigsst  MSLYHYFRPAORSVFODLMRDMALM MSLVRRSNVFD.PFSLDLWDPF.DSVFRSVV MSLIPSFFSGRRSNVFD.PFSLDVWDPLKDFPFSNSS MADLSVRRGTGSTPORTREWD.PFOOMOELMNW.DPFELAN MTERRVPFSLLRSPSWEPFRDWYPAHSRLFDOAFGVPRLPDEW.SQWFSAAGWPGYVR.MDIAIOH.PWF.KRTLGPFYPSRLFDOFFGEGLFEYDLI.PFLSSTISPYYROMDIAIOH.PWF.KRTLGPFYPSRLFDOFFGEGLFEYDLI.PFLSSTISPYYROMDIAIOH.PWF.KRALGPFYPSRLFDOFFGEGLFEYDLL.PFLSSTISPYYROMDVTIOH.PWF.KRALGPFLSSTISPYYROMDVTIOH.PWF.RWF.PWF.PWF.PWF.PWF.PWF.PWF.PWF.PWF.PWF.P
2495337 hs12_caeel_2 hs11_orysa_1 hs11_pea_1 SP21_STIAU hs27_mouse_3 craa_bovin_1 crab_bovin_1 cra2_mouse_1	EROFAPVCRIS PSESSEIV  PATSDNDT AAFANARIDW K PSASFPRENPAFVSTRVDW K HPWFANROGP PAFVPAFEV PLPAATAECPAAVTLAA PAFSRALNROLSSCVSEI R SLFRTV LDSGISEV R PPSFLRAPSW IDTGLSEM R SLFRTV LDSGISELMTHMWFVMOOPDAGNPKNN PVKVR
2495337 hs12_caeel_2 hs11_orysa_1 hs11_pea_1 SP21_STIAU hs27_mouse_3 craa_bovin_1 crab_bovin_1 cra2_mouse_1	dehikviawlpevnkediilnaved.tleirakrsplmiteser.iiyseipeeeeiy NNDOKFAINLNVSOFKPEDLKINLDGR.TLSIOGEOELKTDEGYSKKSFS ETPESHVFKADLPGVKKEEVKVEVEEENVLVISGORSKEKEDKNDKWERVERSSQFM ETPEAHVFKADLPGLKKEEVKVEVEDDRVLOISGERSVEKEDKNDEWERVERSSSKFL ETKEAYIFKADLPGVDEKDIEVTLTGD.RVSVSGKREREKREESERFYAYERTFSFS OTADRWRVSLDVNHFAPEELTVKTKEG.VVEITGKHEERODEGYISRCFT SDRDKFVIFLDVKHFSPEDLTVKVOED.FVEIHGKHNERODDGGYISREFG LEKDRFSVNLDVKHFSPEELKVKVIGD.VIEVHGKHEERODEGGFISREFG SDRDKFVIFLDVKHFSPEDLTVKVLED.FVEIHGKHNERODDGGYISREFG
2495337 hs12_caeel_2 hs11_orysa_1 hs11_pea_1 SP21_STIAU hs27_mouse_3 craa_bovin_1 crab_bovin_1 cra2_mouse_1	rtiklpatyke.enasakfengvlsvilpkaessi.kk.ginie.~~~~~ RVILIPEDVDVGAVASNLSEDGKLSTEAPKKEAVOGRSTPTOQATV.EEKSAE~~~~~ RRFRLPENAKV.DOVKAGLENGVITVTVPKAEV.KK.PEVKAT.EISG. RRFRLPENAKM.DKVKASMENGVITVTVPKEET.KK.AEVKST.EISG. RAFTLPEGVDG.DNVRADLKNGVITLTLPKRPEV.OPK.RIOVASSGTEOKETIKAYPAP RKYTLPPGVDPTLVSSSLSPEGTLTVEAPLPKAV.TOSAETTTPVTFEARAQTGPEAG RRYRLPSNVDQSALSCSLSADGMITFSGPKIPSGVDAGHSERATPVSREEKPSSAPSS~~ RKYRLPSNVDQSALSCSLSADGMITFSGPKVQSGLDAGHSERATPVSREEKPSSAPSS~~ RRYRLPSNVDQSALSCSLSADGMITFSGPKVQSGLDAGHSERATPVSREEKPSSAPSS~~
2495337 hs12_caeel_2 hs11_orysa_1 hs11_pea_1 SP21_STIAU hs27_mouse_3 craa_bovin_1 crab_bovin_1 cra2_mouse_1	AEPGLAAPLGWPGFS~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Figur s 4A and 4B

HSP16 (	A33)   GIGISGK-GFMPISIIM (A49
CRAA_B (	45) SPYYROSLFRTVLDSGISEVRS (66
HSP16 ( CRAA_B (	gap )-GDQHEVIAH PGVNKE IIL (A70 gap )-DRDKFVIFLDVKHFSPEDL V (87
HSP16 (	A71) NAVGDTLEIRAKRSPLMITESE (A92
CRAA_B (	88) KVQEDFVEIHGKHNERQD (105
HSP16 (	A93) RIIYSEIPEEEEIYR IKLPATVK (A116
CRAA_B (	106) DHGYISREFHRRYRLPSNVD (125
HSP16 (	A117) EENASA F-ENGVLSVILPKAESS (A139
CRAA_B (	126) OSALSCSLSADGMLTFSGPKIPSG (149

Figure 5

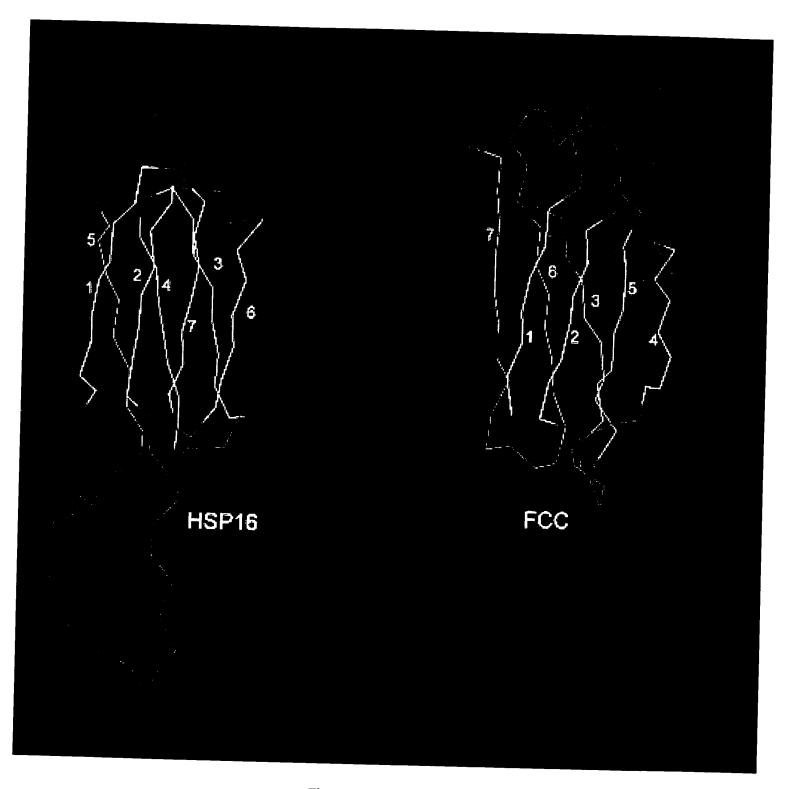


Figure 6



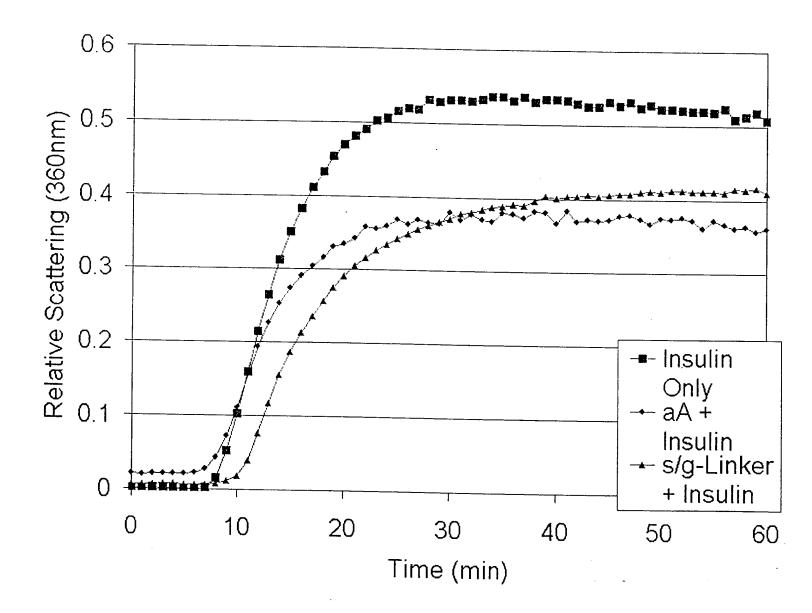


Figure 8

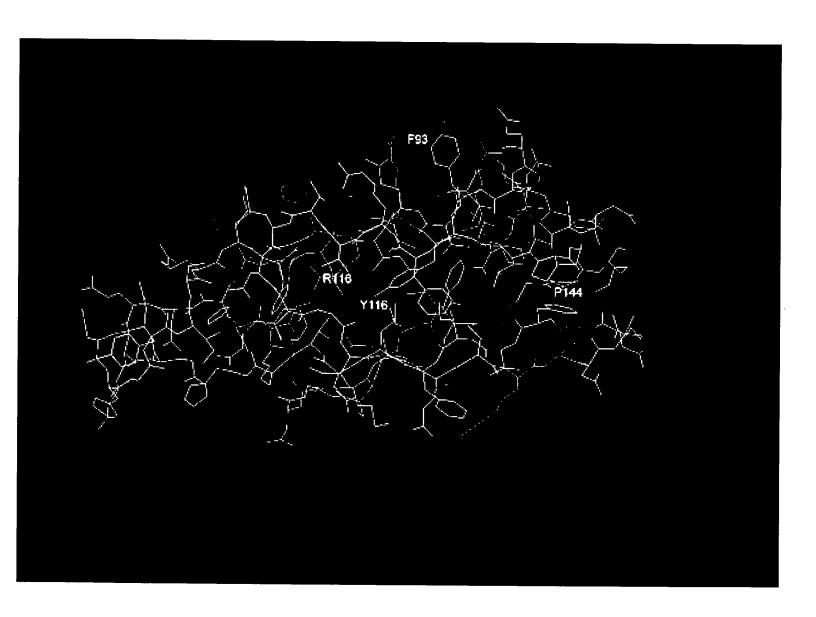


Figure 7B